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(54) Process for polymerization of acrylate or methacrylate.

(57) In a process for polymerizing an acrylate or a methacrylate monomer alone, a mixture thereof or a mixture of an acrylate or a methacrylate monomer as a main component and other copolymerizable monomers in the presence of water, an emulsifiers and a polymerization initiator soluble in water or the monomers; the improvement which comprises carrying out that the polymerization in a polymerization vessel having a film on an inner surface thereof and on surfaces of attached instruments within the vessel, said film being formed by applying a solution of an aromatic quinone-amine compound which is insoluble in water or the monomers, contains a quinone group and an amine group capable of inhibiting the radical polymerization and contains a functional group having a chelate-forming ability for adhering the compound to the surfaces, and removing the solvent by drying. According to the process, the scale deposition in the polymerization of an acrylate or a methacrylate can be prevented.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
X	FR-A-2 362 165 (THE B.F. GOODRICH CO.) * Claims 1,7 * ----	1-4	C 08 F 20/12 C 08 F 2/00
X	FR-A-2 285 173 (THE B.F. GOODRICH CO.) * Claims 1,2,10 * ----	1-4	
A	GB-A-1 578 805 (ICI AUSTRALIA LTD.) * Claim 1 * -----	1-4	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 01-03-1985	Examiner CAUWENBERG
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	